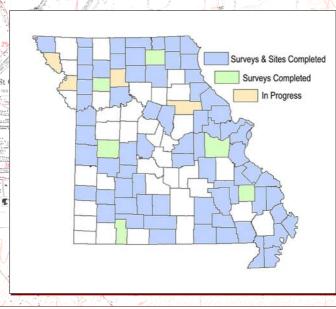
GIS Capture of Missouri Archaeology Surveys and Sites

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This project represents the usability and necessity of a digital representation of archaeological surveys and sites as an aid to cultural resource management and planning.



Surveys vs. Sites

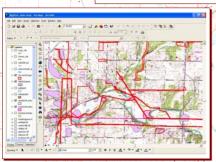
A **survey** is the area that was investigated for the presence of archaeological artifacts

A **site** is the location where archaeological artifacts are found

The Total Number of Sites and Surveys Digitized*:

Total Surveys Captured for the Project: 12,000 polygons Total Sites Captured for the Project: 14,470 polygons Surveys Fully Attributed for the Project: 7,400 Sites Fully Attributed for the Project: 8,500

*As of February 28, 2006



The data is stored and managed in a geodatabase using a spatial database engine (SDE) on a structured query language (SQL) server. Relationship classes are used to relate (link) tables using a common identifier

Red polygons _____ are surveys

Purple polygons are sites

Example of the Archaeology Geodatabase

Usability of the Archaeology Geodatabase

In the past, it took many hours to sort through the boxes of data to locate the information needed for a new project. This geodatabase allows that to be accomplished in a fraction of the time.

- •Areas of interest can be zoomed into and existing surveys and sites can be identified quickly to see the associated data
- •Data can be queried and sorted by any related table attributes associated with the polygons
 - Specific year
 - Particular author

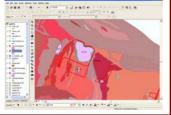


Information associated with surveys and sites can be quickly pulled u

•Ancillary data (geology, roads, soils, etc.) can be incorporated into the geodatabase for more advanced queries

Examples would be:

- •Sites within a specific county that exists on a specific soil type
- •Surveys within a pre-determined distance of a stream
- Sites that fall along the I-70 corridor



Example of a query; sites found on a specific soil type in St. Charles Count



